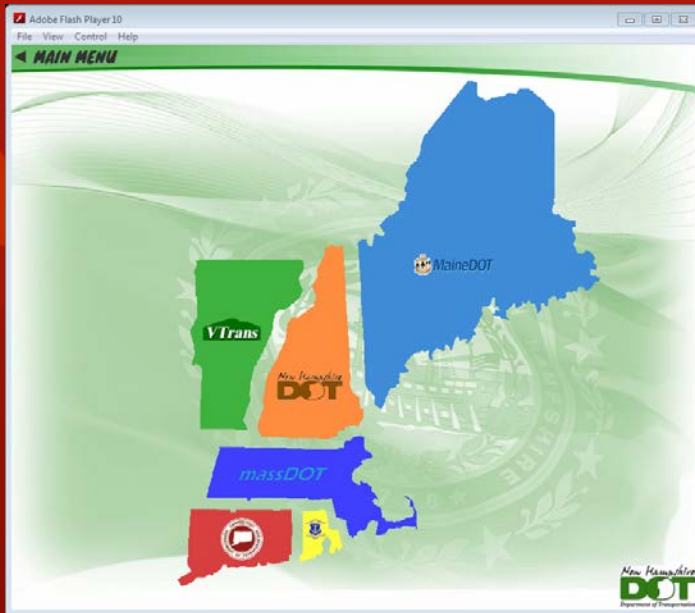


The background of the slide is a solid orange color, decorated with various silhouettes of autumn leaves in a lighter shade of orange, scattered around the edges.

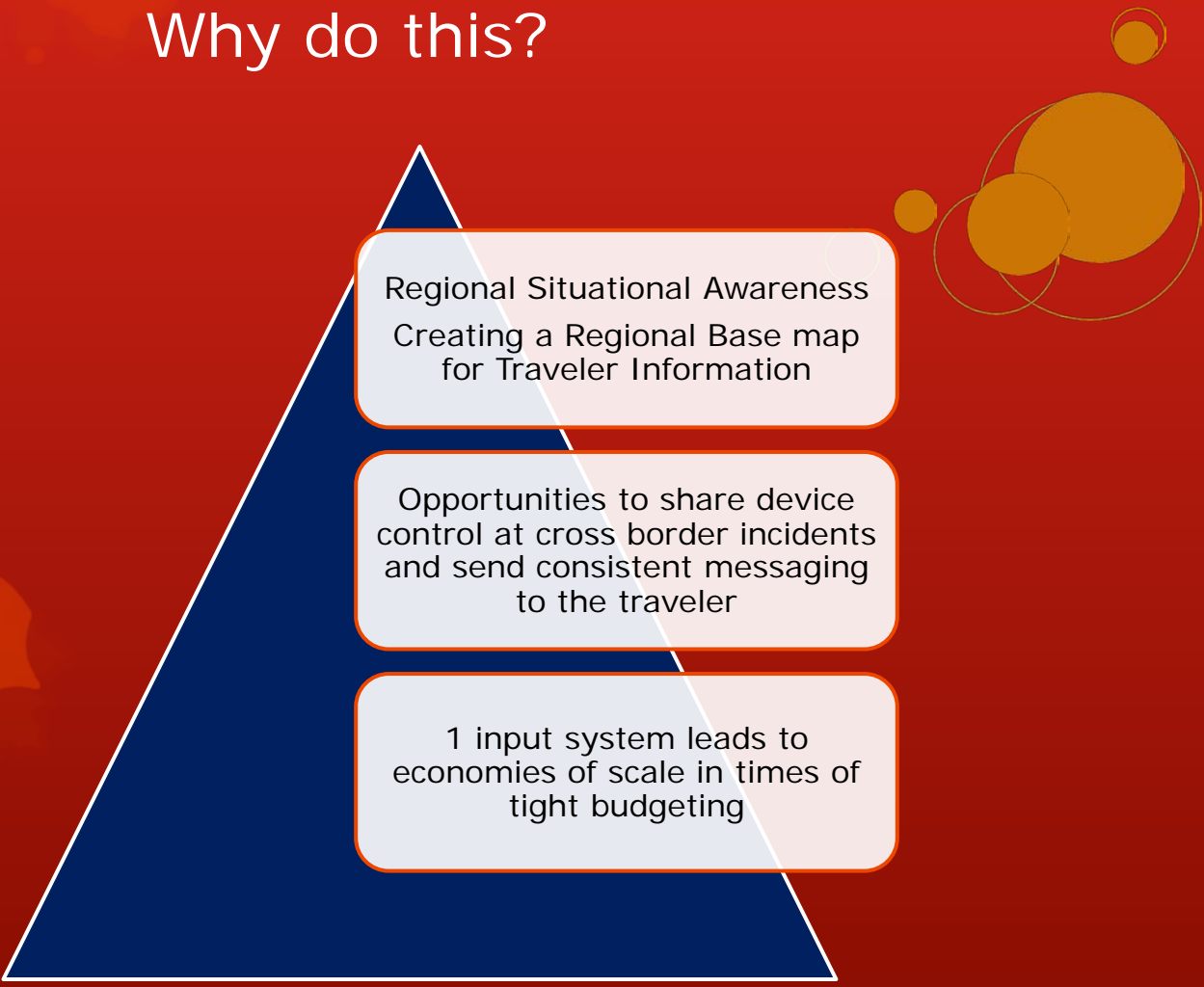
# New England Regional Advanced Transportation Management & Traveler Information

Denise Markow, NHDOT  
Robert T. White, VTrans

# New England Traveler Information



# Why do this?



Regional Situational Awareness  
Creating a Regional Base map  
for Traveler Information

Opportunities to share device  
control at cross border incidents  
and send consistent messaging  
to the traveler

1 input system leads to  
economies of scale in times of  
tight budgeting

# Delays, Delays, Delays



Congestion



Delays

Incidents  
Special  
Events

Roadwork

Weather



# Weather has BIG Impacts

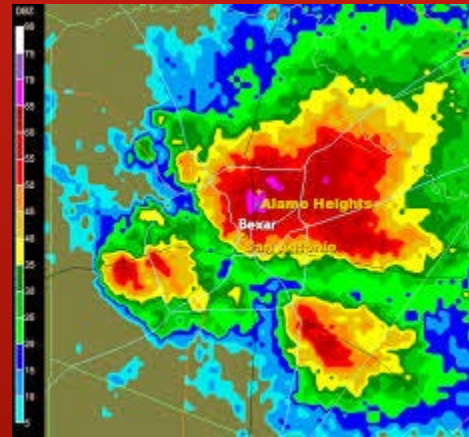
- Regional Forecasting & Briefings
- Standardized Messaging
- Standardized Road Conditions
- Standardized Performance Measures



# Regional Forecasting & Briefings

## Tri-State Resources:

- Vermont –Lyndon State
- NH – Schneider
- Maine – NWS
- Weather Bug, etc.
- MDSS



- Pre-Storm Forecasting
- Now Forecasting
- RWIS Triggers
- On Line Support
- Barking Chain

# Standardized Messaging

## Standardized Prioritization

○ Pre-Storm

**Winter Storm**  
**Thursday PM**  
**Plan Ahead**

○ During Storm

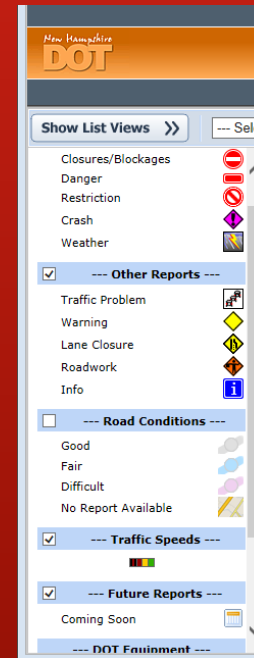
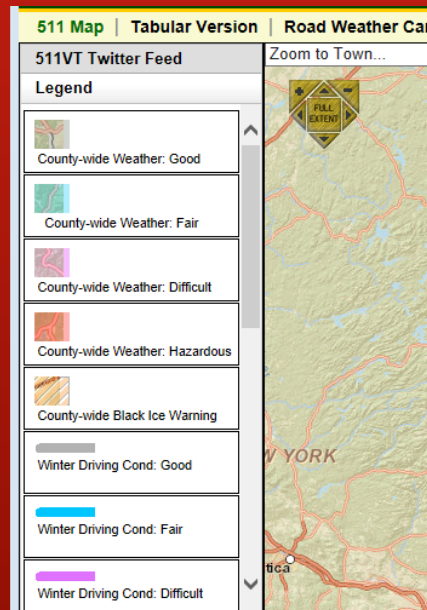
**Black Ice Possible**  
**Slow Down**

○ After Storm

**Plows in**  
**Roadway**  
**Use Caution**

# Standardized Road Conditions

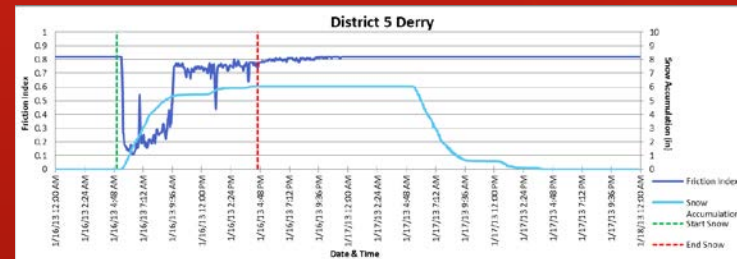
- No Report
- Fair
- Difficult
- Hazardous





# Standardized Performance Measures

- Storm Index
- Grip to Bare Pavement
- DMS Usage/Posting
- Speed Downpostings
- % Accuracy of Forecasted Start of Storm
- Stormline Summary

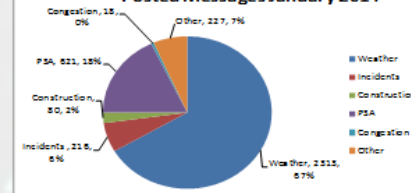


## TMC COMMUNICATIONS JANUARY ACTIVITY REPORT

### CMS-POSTED/CLEARED MESSAGES

\*Total does not include SIV/Use

#### Posted Messages January 2014



TOTAL MESSAGES POSTED  
TOTAL MESSAGES CLEARED

3475  
3475

# Regional ATMS Weather Requirements

- ✓ Standardize Weather Events & Severities
  - ✓ NWS Advisories, Watches & Alerts
  - ✓ Contracted Weather Services
  - ✓ RWIS Trigger Alerts
- ✓ DMS Message Content & Prioritization
- ✓ Road Conditions Polygon Creation
  - ✓ Travel Speed Mapping Overlays
- ✓ Icon to Icon Match from ATMS to TIS
- ✓ Performance Measurement Reporting
- ✓ 1086 Reporting

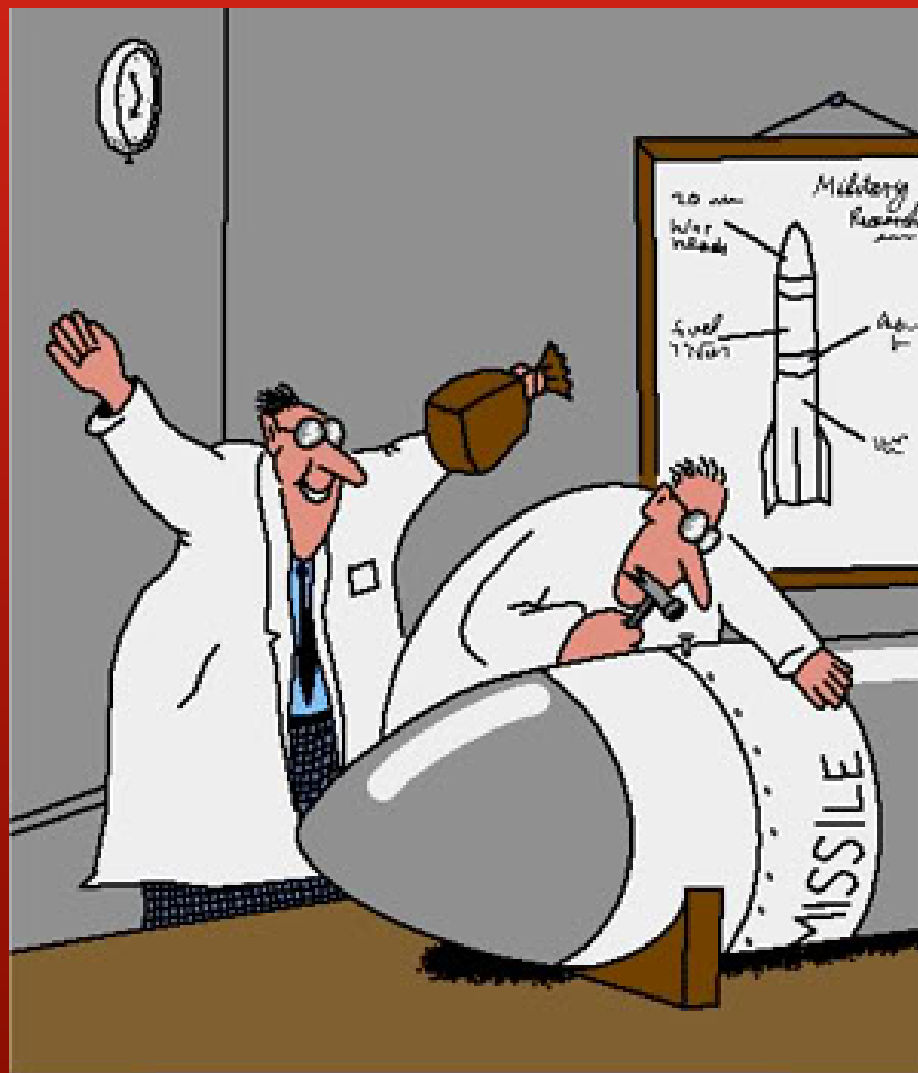
# TIS Requirements

- ✓ Weather Events
- ✓ Polygon Shaded Events by County
- ✓ Message Board Postings
- ✓ Text and Email Alerts carry same data from ATMS to TIS
- ✓ Subscription Service to receive Alerts for Cross Border events

# Next Steps: Maintenance & Traffic Ops

- ✓ District to District to Cross Border Storm Status Notifications
- ✓ Activation Notifications
- ✓ Road Conditions Cross Border Notifications

New England Weather Operations Conference  
September 24. 2014  
Boston



# QUESTIONS?

